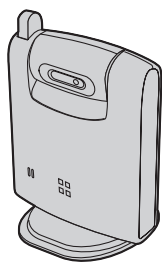# Panasonic

Operating Instructions

Cordless Camera

Model No. **KX-TGA914E**

Indoor Use Only

This cordless camera is an accessory unit for use with Panasonic Digital Cordless Phone:
KX-TG9120/KX-TG9140/KX-TG9150
You must register this cordless camera with your base unit before it can be used.

Please read these Operating Instructions before using the unit and save for future reference.

Table of Contents

Introduction

Thank you for purchasing the cordless camera.

For your future reference

Attach or keep original receipt to assist with any repair under warranty.

Serial No. (found on the bottom of the unit)
Date of purchase
Name and address of dealer

Note:

● In the event of problems, you should contact your equipment supplier in the first instance.

Declaration of Conformity:

● Panasonic Communications Co., Ltd. declares that this equipment is in compliance with the essential requirements and other relevant provisions of Radio & Telecommunications Terminal Equipment (R&TTE) Directive 1999/5/EC.
Declarations of Conformity for the relevant Panasonic products described in this manual are available for download by visiting:
http://www.doc.panasonic.de

Contact:

Panasonic Services Europe
a Division of Panasonic Marketing Europe GmbH
Panasonic Testing Centre
Winsbergring 15, 22525 Hamburg, Germany

Introduction

Feature highlight

Camera monitoring using the handset

Important:

● In these operating instructions, the term "handset" is used to refer to the KX-TGA910E.

You can monitor the room where the cordless camera is located when:

– you access the cordless camera using the handset (page 13).
– the cordless camera pages the handset when it detects sound (page 14).
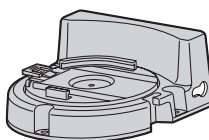– the cordless camera user pages the handset using the call button (page 14).

Accessory information

Included accessories

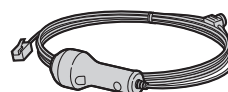| No.	Accessory item	Quantity
①	AC adaptor Part No. PQLV209EZ (PQLV209E)	1
②	Wall-mounting adaptor Part No. PQLP10267Z	1
③	Call button Part No. PQLP10270Z	1

Introduction

Important information

General

- Use only the AC adaptor included with this product, noted on page 5.
- Do not connect the AC adaptor to any AC outlet other than a standard 220–240 V AC outlet.
- This product should not be used near emergency/intensive care medical equipment and should not be used by people with pacemakers.
- Care should be taken that objects do not fall onto, and liquids are not spilled into, the unit. Do not subject this product to excessive smoke, dust, mechanical vibration or shock.

Environment

- Do not use this product near water.
- This product should be kept away from heat sources such as radiators, cookers, etc. It should also not be placed in rooms where the temperature is less than 5 °C or greater than 40 °C.
- The AC adaptor is used as the main disconnect device. Ensure that the AC outlet is installed near the product and is easily accessible.

Warning:

- To prevent the risk of electrical shock, do not expose this product to rain or any other type of moisture.
- Unplug this product from power outlets if it emits smoke, an abnormal smell, or makes unusual noise. These conditions can cause fire or electric shock. Confirm that smoke has stopped emitting and contact an authorised service centre.

Routine care

- After cleaning away the dust on the lens, wipe the lens with a cotton bud.

Conditions for using the cordless camera

- The cordless camera is intended for indoor use only. Prolonged exposure to direct sunlight or halogen light may damage the camera lens.
- Use the cordless camera in a bright place such as under daylight or a well-lit room.
- Do not use the cordless camera in the following places:
  – near incandescent lamps.
  – near any electrical appliance that emits a strong radio signal.
  – where the subject of the picture is against a light source or in front of a mirror.
  – in places where temperature varies greatly, such as near an air conditioner or heater.
  – any place exposed to oil or steam such as a kitchen.
  – where an object such as glass can cause temperature change due to reflection.
- When using the cordless camera, please take into consideration the rights of others with regard to privacy.

Information on Disposal for Users of Waste Electrical & Electronic Equipment (private households)

This symbol on the products and/or accompanying documents means that used electrical and electronic products should not be mixed with general household waste. For proper treatment, recovery and recycling,

please take these products to designated collection points, where they will be accepted on a free of charge basis. Alternatively, in some countries you may be able to return your products to your local retailer upon the purchase of an equivalent new product.

Disposing of this product correctly will help to save valuable resources and prevent any potential negative effects on human health and the environment which could otherwise arise from inappropriate waste handling. Please contact your local authority for further details of your nearest designated collection point.

Penalties may be applicable for incorrect disposal of this waste, in accordance with national legislation.

For business users in the European Union

If you wish to discard electrical and electronic equipment, please contact your dealer or supplier for further information.
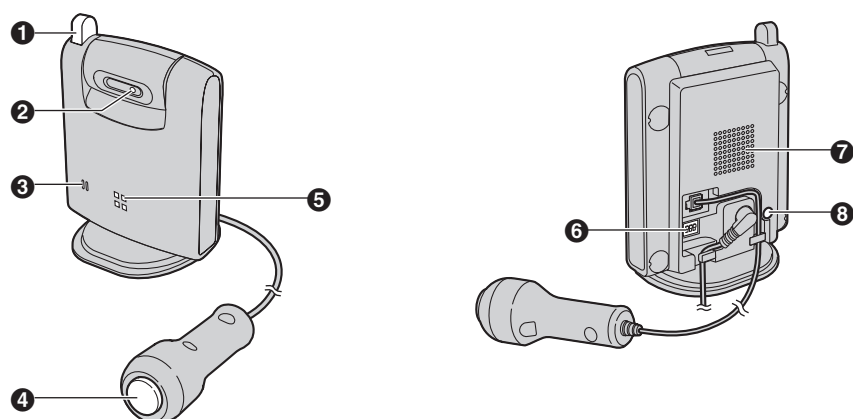
Information on Disposal in other Countries outside the European Union

This symbol is only valid in the European Union.

If you wish to discard this product, please contact your local authorities or dealer and ask for the correct method of disposal.

Controls

❶ Antenna
❷ Camera lens
❸ MIC (Microphone)
❹ Call button

❺ Indicator
❻ DIP switches
❼ Speaker
❽ PROG. (Program)

Understanding the cordless camera indicator

The cordless camera indicator shows the status as follows.

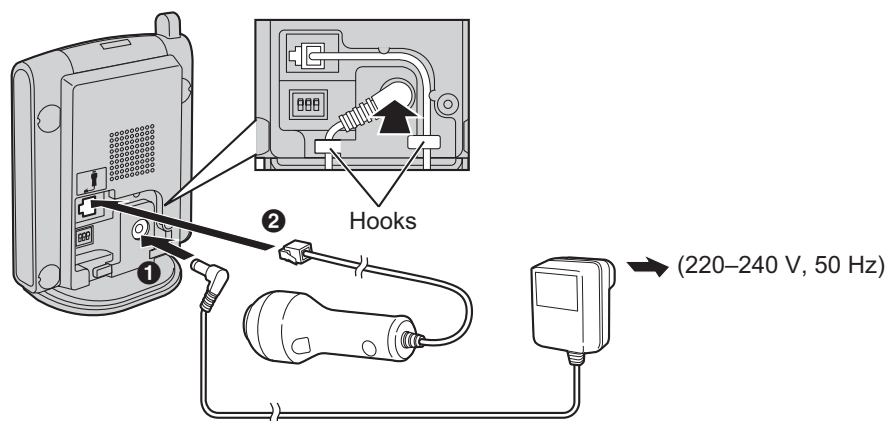| Status	Description
Red (flashing rapidly)	• The cordless camera is not registered. Register the cordless camera (page 12). • The cordless camera is out of range. Locate the cordless camera near the base unit.
Yellow-green	• The cordless camera is registered and in standby mode.
Yellow-green (flashing)	• The camera sensor is responding and the cordless camera is paging the handset. • The cordless camera is connected and sending live images to the handset.

Setting up the cordless camera

Connecting the AC adaptor and the call button

Connect the AC adaptor cord by pressing the plug firmly (❶). Connect the call button cord until it clicks into the unit (❷).

● Use only the included AC adaptor.
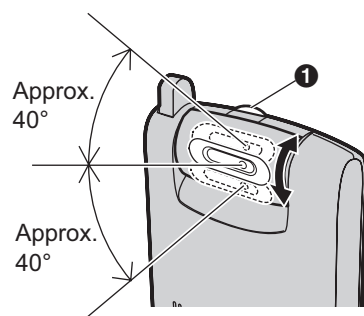

Hooks

(220–240 V, 50 Hz)

Note:

● When the AC adaptor is connected, the indicator lights in red then starts flashing.

● The AC adaptor must remain connected at all times. (It is normal for the adaptor to feel warm during use.)

● The AC adaptor should be connected to a vertically oriented or floor-mounted AC outlet. Do not connect the AC adaptor to a ceiling-mounted AC outlet, as the weight of the adaptor may cause it to become disconnected.

Preparation

Adjusting the cordless camera lens angle

Aim the camera lens by pushing the tab (❶) and rotating the lens up or down.

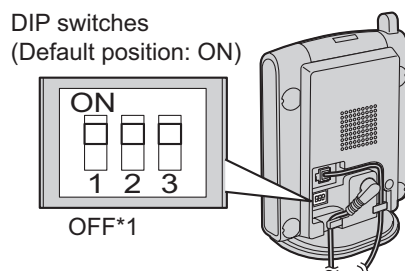● Using the handset, confirm that the area you want to monitor from the cordless camera is displayed (page 13).

Approx. 40°

Approx. 40°

❶

Note:

● Do not touch the camera lens (page 8).

Setting the DIP switches

DIP switches
(Default position: ON)

You can set the following functions by using DIP switches 2 and 3.
DIP switch 1 is not used for any settings.
Slide each switch with a pointed object such as a pen as necessary.

DIP switch	Function	ON (default)	OFF[*1]
1	–	–	–
2	Image orientation	Normal	Upside down
3	Speaker volume	Normal	Low

*1 Slide the switch down.

Displaying the image upside down (DIP switch 2)
To turn the camera image upside down, set to OFF. This feature is useful when you mount the cordless camera upside down (page 17).

Selecting the cordless camera speaker volume (DIP switch 3)
If you want to lower the speaker volume, set to OFF (LOW).

Preparation

Symbols used in these operating instructions

Symbol	Meaning
🔲	Press 🔲 (centre of joystick).
→	Proceed to the next operation.
OK	Press **OK** (centre of joystick).
" "	Select the words in quotations shown on the display (e.g., "**Cancel Handset**") by pushing the joystick up or down.

Registering the cordless camera

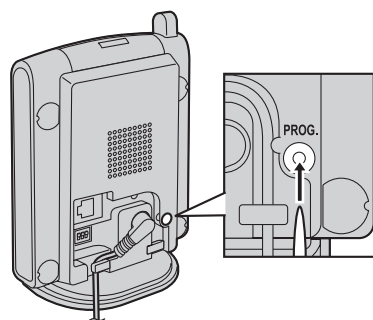Register the cordless camera to a KX-TG9120/KX-TG9140/KX-TG9150 base unit.

1 Base unit:
Press and hold 【•))】 on the base unit for about 3 seconds, until the registration tone sounds.

2 Camera:
Press PROG. (program) on the back side of the cordless camera with a pointed object such as a pen until a beep sounds.

● When registration is completed successfully, the cordless camera beeps and the indicator stops flashing red but remains lit in yellow-green (page 8).
● If all registered handsets start ringing in step 2, press 【•))】 to stop. Start again from step 1.

Cancelling the cordless camera

Using a handset registered to the same base unit, you can cancel the registration of a registered cordless camera.

1 🔲 (centre of joystick) → 📟 → **OK**

2 Enter "**335**".

3 "**Cancel Handset**" → **OK**

4 Select the cordless camera you want to cancel. → ☑

● A ✓ is displayed with the selected item.
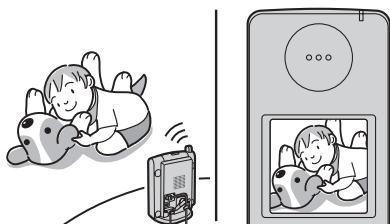● To cancel a selected item, select it again. → ☑

5 **OK** → "**Yes**" → **OK**

● "**Please Wait...**" will be displayed and a long beep will sound.

6 【✆】

Camera monitoring using a handset

With a handset, you can monitor the image and sound of the room where the cordless camera is located. The monitored camera does not ring, allowing you to easily monitor a baby's room, for example, from different areas of the house.

Important:

- Before you start monitoring, confirm that the camera lens of the cordless camera has been adjusted to the correct angle.
- Only 1 person can access the cordless camera at a time.
- A refreshed image taken by the cordless camera is displayed every few seconds. The displayed image is not a moving picture.
- While monitoring a cordless camera, other users cannot make an intercom call or transfer a call.
- The monitoring connection is automatically cancelled after 10 minutes.
- While monitoring you cannot place the handset on the base unit or charger. The monitoring connection will be cancelled.
- The cordless camera may not page handsets in the following conditions:
  – when other users are on an intercom or conference call.
  – when electrical interference is emitted from electrical devices.
  – while you are on a call with the handset. (In this case you will hear 2 tones and 🔎 will flash on the handset.)
- You cannot make a monitoring connection via a DECT repeater.

Monitoring the cordless camera from a handset

Handset

1 **[INT]**

2 Select the desired cordless camera. →
🔎/**[➔]**/**[📢]**

3 Speak to the cordless camera user if necessary.
OR
To mute your sound output, press **[C/⊠]** if necessary.

4 When you finish monitoring, press **[✄⊙]** or place the handset on the base unit or charger.

Adjusting receiver/speaker volume
Push the joystick up or down while monitoring.

Talking to the paged party using the cordless camera
When the cordless camera is paged from a handset, the cordless camera does not ring and the speakerphone is turned on. You can talk to the handset user. Speak clearly into the MIC.

Handset display item for camera monitoring

Displayed item	Meaning
Example: 🎥1	The handset is connected to the cordless camera. When flashing: The cordless camera is paging the handset. (It detects sound or its call button is pressed.)

Paging the handsets from the cordless camera

The cordless camera can page handsets when it detects sound or by pressing its call button. Then the answering handset user can monitor live images from the cordless camera.

Important:

● Only registered handsets can be paged from the cordless camera. The base unit cannot be paged.

● If a handset is paged by the cordless camera during a call, 2 tones sound and 🎥 flashes on the handset. To monitor the cordless camera from the handset, press 【✆⊙】, then press 【🔊】.

● Auto intercom feature cannot be used when paged by a cordless camera.

Paging using the camera audio sensor

Important:

● To use the audio detection feature of the cordless camera, turn the audio detection sensitivity to on (page 15).

1 Camera:
The camera detects sound.

● The camera produces a camera tone and pages the handsets for 1 minute.

2 Handset:

Press 【🔊】 to answer the page.

● You can monitor the room where the camera is located.

3 Handset:
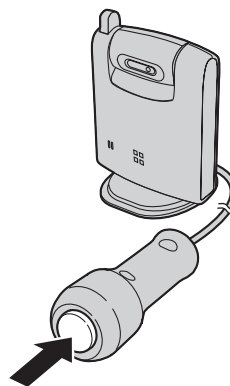To mute your sound output, press 【C/⊠】 if necessary.

4 Handset:
When you finish monitoring, press 【✆⊙】 or place the handset on the base unit or charger.

Paging using the cordless camera call button

1 Cordless camera:
Press the call button.

● The cordless camera produces a camera tone and pages the handsets for 1 minute.

● To stop paging, press the call button again.

2 Handset:
Press 【🔊】 to answer the page.

● You can monitor the room where the cordless camera is located.

3 Cordless camera:
When the handset user answers, speak clearly into the MIC.

4 **Handset:**
When you finish monitoring, press
{ ✆ } or place the handset on the base
unit or charger.

Useful settings while camera monitoring

With a handset, you can set the camera
settings while monitoring.

Adjusting the display brightness

There are 6 levels.

1 Start monitoring (page 13).

2 Press ☼ repeatedly to adjust the
brightness.

Note:

● When you finish monitoring, the setting is
reset to the default.

Selecting image zoom

1 Start monitoring (page 13).

2 Press ⊞ to zoom in on the image.
● To return to the original view, press
⊞ again.

Setting the audio detection sensitivity

The cordless camera features a sensor that
detects human voices such as a baby cry.
Sounds other than human voices may be
difficult to detect. To use this feature, confirm
that the cordless camera is located in a
place where it can easily detect voices.
Once the sensor has detected sound, the
cordless camera pages the handset.

There are 3 levels. The default setting is
"off".

1 Start monitoring (page 13).

2 🔍

3 To turn the feature on, push the joystick
up.
Push the joystick up or down to select the
desired sensitivity.
● To turn this feature off, push down the
joystick repeatedly.

4 OK

Note:

● When you turn this feature off, the
cordless camera cannot detect sound
(page 14).

● To set the appropriate level, test the
sensor of the camera from the handset
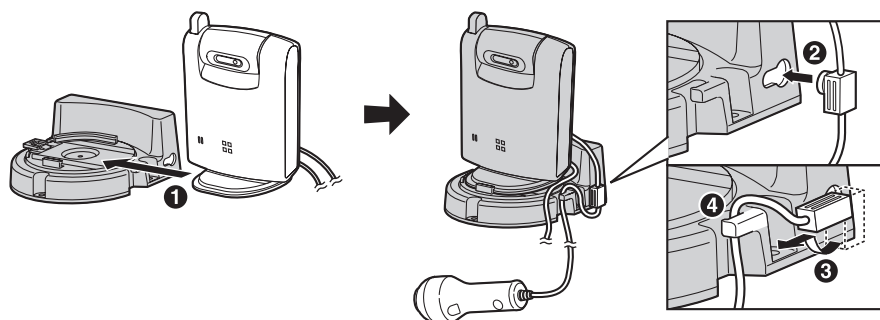beforehand.

Wall mounting

The cordless camera can be mounted by the standard mounting or upside down mounting.

CAUTION:

● Mount the cordless camera on the stable location where the unit can be adequately supported when installing.

● The AC adaptor should be connected to a vertically oriented or floor-mounted AC outlet. Do not connect the AC adaptor to a ceiling-mounted AC outlet, as the weight of the adaptor may cause it to become disconnected.

● **Do not mount the cordless camera on a soft material. It may fall down, break or cause injury**.

● Do not mount the cordless camera on the following places: plaster board, ALC (autoclaved lightweight cellular concrete), concrete block, plywood less than 25 mm thick, and etc.

● Do not pull the call button wire after you mount the cordless camera on the wall.

● After mounting the cordless camera on the wall, speak loudly and clearly into the MIC when talking with the handset user.

Connecting the wall-mounting adaptor

❶ Slide the cordless camera into the wall-mounting adaptor in the direction of the arrow until it clicks into the place.

❷ Tuck the call button wire into the hole on the side of the wall-mounting adaptor by plugging the small wire fixture into the hole.

❸ Turning it slightly and sliding it in place.

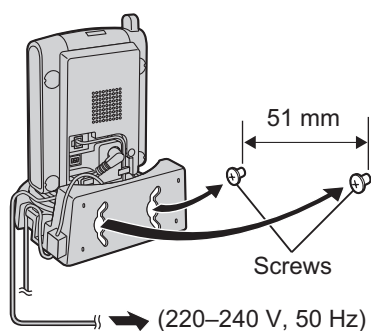❹ Fasten the call button wire to the hook of the wall-mounting adaptor.

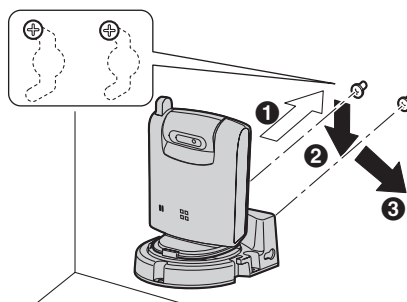## Mounting the cordless camera on the wall

Standard mounting

1 Drive the screws (not included) into the wall at a recommended height of 1.8 m or below using the wall mount template as a guide (page 18).

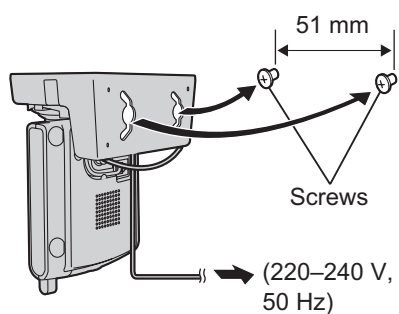**2** Mount the cordless camera (**1**), then slide it down (**2**) and to the right (**3**) until it is secure.
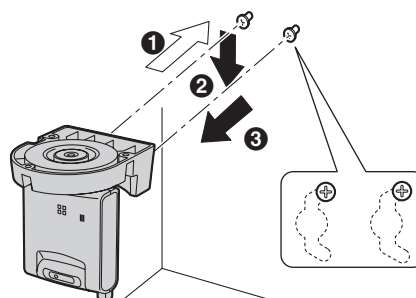
● To aim the camera lens, see page 10.

51 mm

Screws

(220–240 V, 50 Hz)

Upside down mounting

● The image may be seen upside down when mounting upside down. To compensate for this, change the cordless camera setting to display images upside down (page 11).

1 Drive the screws (not included) into the wall at a recommended height of 1.8 m or below using the wall mount template as a guide (page 18).

2 Mount the cordless camera (**1**), then slide it down (**2**) and to the left (**3**) until it is secure.

51 mm

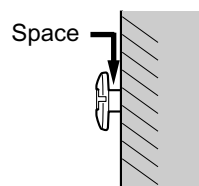Screws

(220–240 V, 50 Hz)

Useful Information

About the screws for wall mounting

● Use the recommended screw size below.

● Drive the mounting screws leaving enough length from the wall to hook the cordless camera.
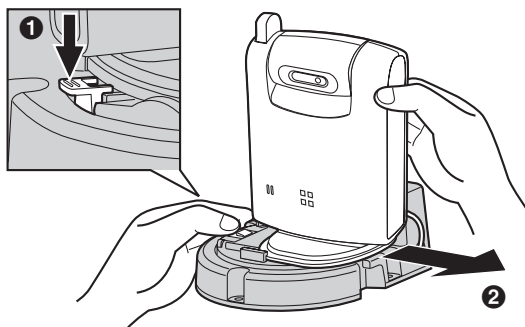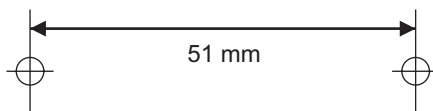
Space

Max. 9.3 mm   Max. 4.5 mm

Removing the wall-mounting adaptor

Press and hold the hold button (❶) on the left side of the wall-mounting plate. Slide the cordless camera to the right (❷).

Wall mount template for the cordless camera

51 mm

Troubleshooting

Problem	Cause & solution
The cordless camera does not work.	• Check the connections (page 9). • The cordless camera is not registered to the base unit. Register the cordless camera to the base unit (page 12).
The cordless camera's indicator is flashing red.	• The cordless camera is not registered to the base unit. Register the cordless camera to the base unit (page 12). • The cordless camera is out of range. Locate the cordless camera near the base unit.
The image is faint.	• The camera lens is dirty. Clean it with a soft dry cloth. • Do not touch the lens directly. Fingerprint may cause an unclear image.
The image sent from the cordless camera is poor on the handset display.	• Adjust the display brightness setting (page 15). • The place where the cordless camera is located is dark. Improve lighting.
The image sent from the cordless camera is dark and difficult to see on the handset display.	• Adjust the display brightness setting (page 15). • There is a strong sunlight or a backlight in the place where the cordless camera is located. Try shading the camera's location.
I cannot connect to the cordless camera, the image distorts, or the image is slow.	• The cordless camera has lost communications with the base unit. Move the cordless camera closer to the base unit, and try again. • There is an obstacle such as concrete wall. Move the cordless camera to the place without an obstacle. • A microwave appliance is in use. Move the cordless camera closer to the base unit or use the cordless camera away from that appliance, and try again.
The camera sensor does not respond.	• If you set the audio detection sensitivity to off, the camera sensor does not respond. Turn this feature on (page 15). • While a handset is monitoring the cordless camera, the cordless camera stops detecting sound.
I pressed the call button but the cordless camera does not page the handsets.	• While the image of the cordless camera is being monitored by a handset, the call button will not have response.

Useful Information

Problem	Cause & solution
The handset speaker and/or the cordless camera emit a howling noise while monitoring.	● Move the handset away from the cordless camera.
When using the handset speakerphone to have an intercom call with the cordless camera, sound cuts in and out and you have difficulty hearing the other party.	● Lower the speaker volume by pushing the joystick down.

Conditions of guarantee

This guarantee is in addition to and does not in any way affect any statutory or other rights of consumer purchasers. If within the applicable guarantee period, the appliance proves to be defective by reason of faulty design, workmanship or materials, we undertake subject to the following conditions to have the defective appliance (or any part or parts there of) repaired or replaced free of charge.

1. The appliance shall have been purchased and used solely within either the UK or ROI and in accordance with standard operating instructions and the technical and/or Safety Standards required in the UK.
2. The appliance should be returned together with this guarantee and proof of date of purchase promptly on being found defective at the purchaser's risk and expense to the authorised dealer from whom the appliance was purchased or to the nearest authorised dealer. All enquires must be through such dealers.
3. This guarantee shall not apply to damage caused through fire, accident, lightning, misuse, wear and tear, neglect, incorrect adjustment or repair, to damage caused through installation, adaption, modification or use in an improper manner or inconsistent with the technical and/or safety standards required in the country where this appliance is used, or to damage occurred during transit to or from the purchaser.
4. If at any time during the guarantee period any part or parts of the appliance are replaced with a part or parts not supplied or approved by us or of an objective quality safe and suitable for the appliance, or the appliance has been dismantled or repaired by any person not authorised by us, we shall have the right to terminate this guarantee in whole or in part immediately without further notice.
5. The purchaser's sole and exclusive remedy under this guarantee against us is for the repair or replacement of the appliance or any defective part or parts and no other remedy, including, but not limited to, incidental or consequential damage or loss of whatsoever nature shall be available to the purchaser.
6. This guarantee shall not apply to batteries and any other items of limited natural life.
7. Our decision on all matters relating to complaints shall be final. Any appliance or defective part which has been replaced shall become our property.
8. The guarantee period applicable to this product shall be 12 months.

Please keep these operating instructions with your receipt.

Panasonic Business Systems U.K.

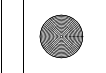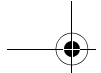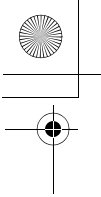| Receipt No.	Date of purchase
Model No.	Serial No.

Useful Information

Specifications

■ **Standard:**
DECT (Digital Enhanced Cordless Telecommunications)

■ **Number of channels:**
120 Duplex Channels

■ **Frequency range:**
1.88 GHz to 1.9 GHz

■ **Duplex procedure:**
TDMA (Time Division Multiple Access)

■ **Channel spacing:**
1,728 kHz

■ **Bit rate:**
1,152 kbit/s

■ **Modulation:**
GFSK (Gaussian Frequency Shift Keying)

■ **RF transmission power:**
Approx. 250 mW

■ **Power source:**
220–240 V, 50 Hz

■ **Power consumption:**
Standby: Approx. 2.1 W
Maximum: Approx. 3.9 W

■ **Operating conditions:**
5 °C–40 °C, 20 %–80 % relative air humidity (dry)

■ **Dimensions:**
Approx. 124 mm × 86 mm × 68 mm

■ **Mass (weight):**
Approx. 140 g

■ **Number of pixels:**
12,288 pixels

■ **Illuminance:**
10 lux (min.)

■ **Focus:**
Fixed 0.4 m–Infinity

■ **Photograph angle:**
Vertical angle: Approx. 35°
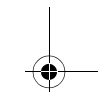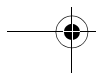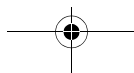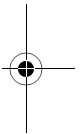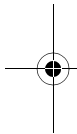Horizontal angle: Approx. 45°

Note:

● Specifications are subject to change.

● The illustrations used in these operating instructions may differ slightly from the actual product.

Notes

Sales and support information

Customer Care Centre

- For customers within the UK: 08700 100 076
- For customers within the Republic of Ireland: 01289 8333
- Visit our website for product information: **www.panasonic.co.uk**
- E-mail: **customer.care@panasonic.co.uk**

Direct Sales at Panasonic UK

- Order accessory and consumable items for your product with ease and confidence by phoning our Customer Care Centre Monday - Thursday 9:00am - 5:30pm, Friday 9:30am - 5:30pm (Excluding public holidays).
- Or go on line through our Internet Accessory ordering application at **www.panasonic.co.uk**
- Most major credit and debit cards accepted.
- All enquiries transactions and distribution facilities are provided directly by Panasonic UK Ltd.
- It couldn't be simpler!
- Also available through our Internet is direct shopping for a wide range of finished products, take a browse on our website for further details.

Customer Care Helpline Tel. No.: U.K. 08700 100 076 / R.O.I. 01289 8333

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Sales Department:
Panasonic Business Systems U.K.
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